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6. (Once amended) A method of treating a neoplasia in a mammal in accordance with claim 2, wherein said gene encodes a member selected from the group consisting of herpes simplex virus thymidine kinase (HSV-TK), cytosine deaminase, xanthine-guaninephosphoribosyl transferase, purine nucleoside phosphorylase, cytochrome P450 2B1.

Please add new claims 47-61.

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47. (New) A method of treating a neoplasia in a mammal, said method comprising administering to said mammal a serum-stable nucleic acid-lipid particle comprising a nucleic acid portion that is fully encapsulated within the lipid portion, wherein said administration is by injection at an injection site that is distal to said neoplasia in said mammal; and wherein said neoplasia is responsive to the gene product of the nucleic acid.

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48. (New) A method of treating a neoplasia in a mammal, said method comprising administering to said mammal a serum-stable nucleic acid-lipid particle comprising a nucleic acid portion that is fully encapsulated within the lipid portion, wherein said administration is by injection at an injection site that is distal to said neoplasia in said mammal; and wherein cells of said neoplasia are transfectable by said nucleic acid-lipid particle.

49. (New) The method of claim 47, wherein said nucleic acid encodes a member selected from the group consisting of: suicide enzymes, toxins, tumor suppressor genes, and cytokines.

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50. (New) The method of claim 47, wherein said nucleic acid encodes a suicide enzyme.

51. (New) The method of claim 47, wherein said nucleic acid encodes a toxin.

52. (New) The method of claim 47, wherein said nucleic acid encodes a tumor suppressor protein.

53. (New) The method of claim 47, wherein said nucleic acid encodes a cytokine.

54. (New) The method of claim 50, wherein the suicide enzyme is a member selected from the group consisting of: HSV-TK, purine nucleoside phosphorylase, and cytosine deaminase.

*D 3 Subtl* ~~55. (New) The method of claim 50, wherein the neoplasia is~~

*melanoma.* ~~56. (New) The method of claim 50, wherein the neoplasia is colorectal cancer.~~

~~57. (New) The method of claim 50, wherein the neoplasia is sarcoma.~~

*58. (New) The method of claim 51, wherein the toxin is *Pseudomonas* exotoxin.*

*59. (New) The method of claim 51, wherein the tumor suppressor protein is apoptin.*

*60. (New) The method of claim 51, wherein the cytokine is IL-12.*

*61. (New) The method of claim 51, wherein administration of the serum-stable nucleic acid-lipid particle is intravenous.*